

## CLAIMS

1. A soil adjuvant comprising fermentation solubles dried to a total moisture content of less than 30% by weight; said fermentation solubles being chosen from the group consisting of glutamic acid fermentation solubles, dried corn fermentation solubles, fermentation byproducts derived from a fermentation of fungal or bacterial origin, and combinations thereof; said fermentation byproducts being chosen from the group consisting of corn step liquor, corn distiller's solubles, and rye distiller's solubles.
2. The soil adjuvant of claim 1 wherein said solubles have been dried at a temperature not less than 80°F and not more than 900°F.
3. The soil adjuvant of claim 1, further comprising a carrier.
4. The soil adjuvant of claim 3, wherein said carrier is wheat middlings.
5. The soil adjuvant of claim 3 wherein the dried fermentation solubles and the carrier are mixed in a ratio of about 1:10 to about 10:1 by weight.
6. The soil adjuvant of claim 1 further comprising glutamic acid.
7. The soil adjuvant of claim 1 wherein said dried fermentation solubles are dried glutamic acid fermentation solubles.
8. The soil adjuvant of claim 7 where said dried fermentation solubles are dried corn fermentation solubles.
9. The soil adjuvant of claim 1 where said dried fermentation solubles comprises a mixture of dried glutamic acid fermentation solubles and dried corn

10. A soil adjuvant comprising a dried fermentation soluble chosen from the group consisting of dried glutamic acid fermentation solubles, dried corn fermentation solubles, and combinations thereof, wherein said dried fermentation solubles having been dried to a total moisture content of less than 30% by weight at a temperature not less than 80°F and not more than 900°F.

11. A soil adjuvant, comprising a mixture of fermentation solubles and a carrier in a ration of about 1:10 to about 10:1 by weight; said fermentation solubles being chosen from the group consisting of dried glutamic acid fermentation solubles, dried corn fermentation solubles, and a mixture thereof, wherein said dried fermentation solubles having a total moisture content of less than 30% by weight.

12. The soil adjuvant of claim 11 wherein said dried fermentation solubles were dried at a temperature not less than 80°F and not more than 900°F.

13. The soil adjuvant of claim 12 wherein said carrier comprises wheat middlings.